Digital Wireless Series Product User's Guide

This User's Guide is applicable to the following products:

#CW1103 - Digital Wireless Camera
#CW1105 - Digital Wireless Transmitter
#CW1104 - Quad Digital Wireless DVR
#CW1106 - Quad Digital Wireless 7" DVR

Ver.1.1

121029

Table of contents

Package contains 3
User's Interfaces 4
Get unit work quickly 8
Useful Operation Advices 10
Recording Duration 10
IR Remote Controller Instruction 11
OSD Introduction 12
Software & Hardware Specifications on PC, iPhone, iPad 12
ASP4 (PC Player) User's Interface 15
Remote View Steps for CW1104 / CW1106 17
Remote View Steps for iPhone / iPad 20
Technical Specification 23
Annex1 (Compatible Router list) 25
Annex2 (Incompatible Router list) 25

Package contains

CW1103

Main Unit x1

Power Adapter x 1

CW1105

Main Unit x1

Power Adapter x 1

CW1104

Main Unit x1

Remote Controller x 1

Power Adapter x 1

AV Output Cable x 1

USB Cable x 1

2GB SD Card x 1
(Optional)

CW1106

Main Unit x1

Remote Controller x 1

Power Adapter x 1

AV Output Cable x 1

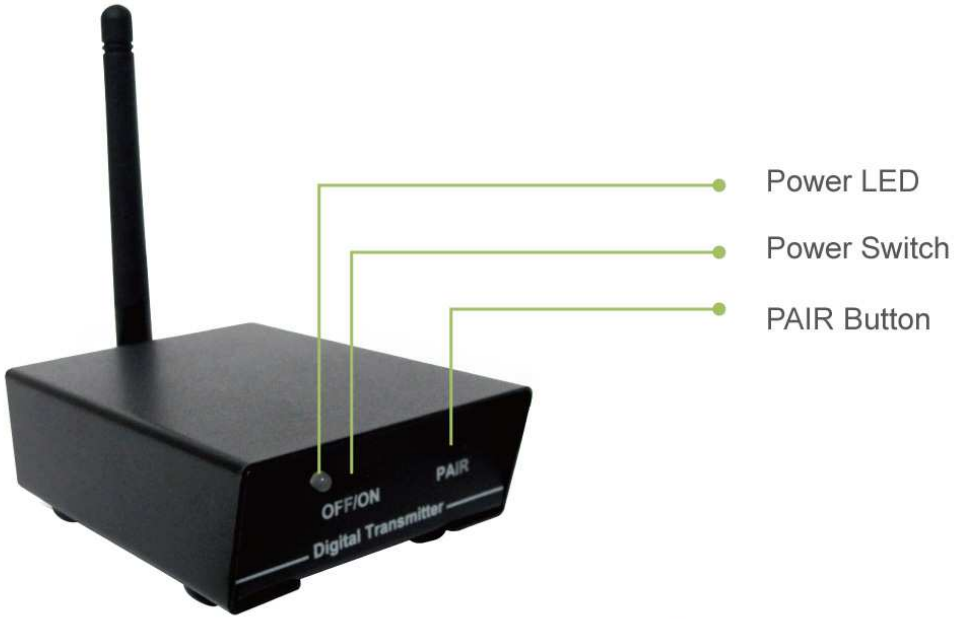
USB Cable x 1

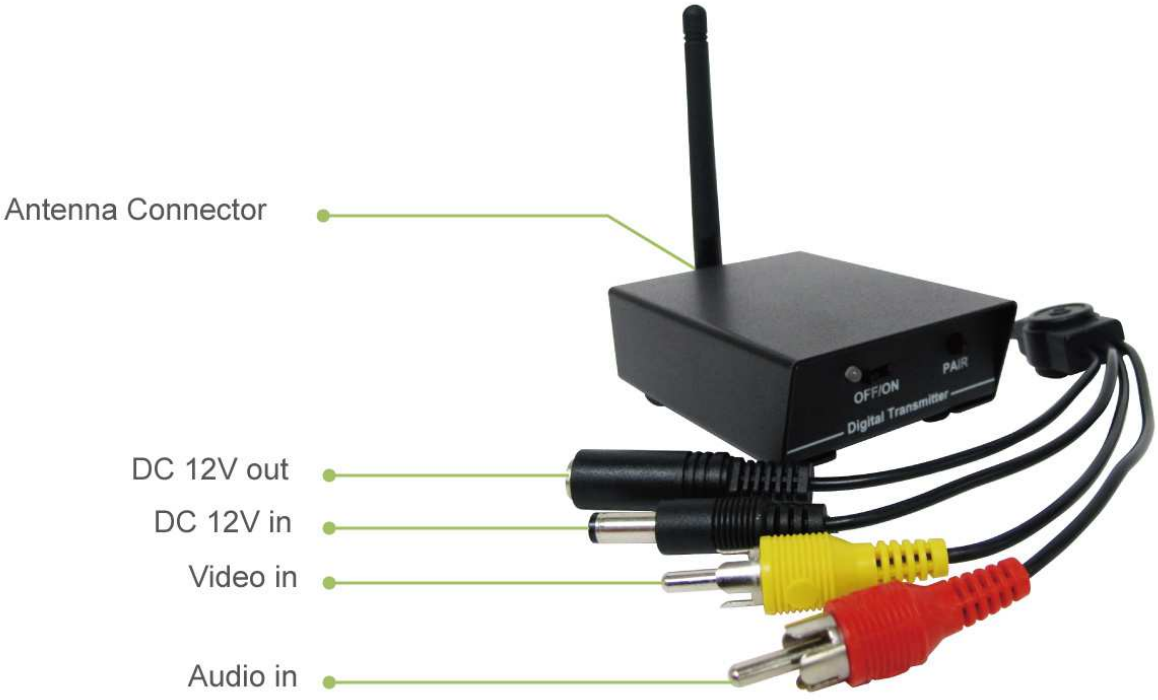
2GB SD Card x 1
(Optional)

User’s Interfaces

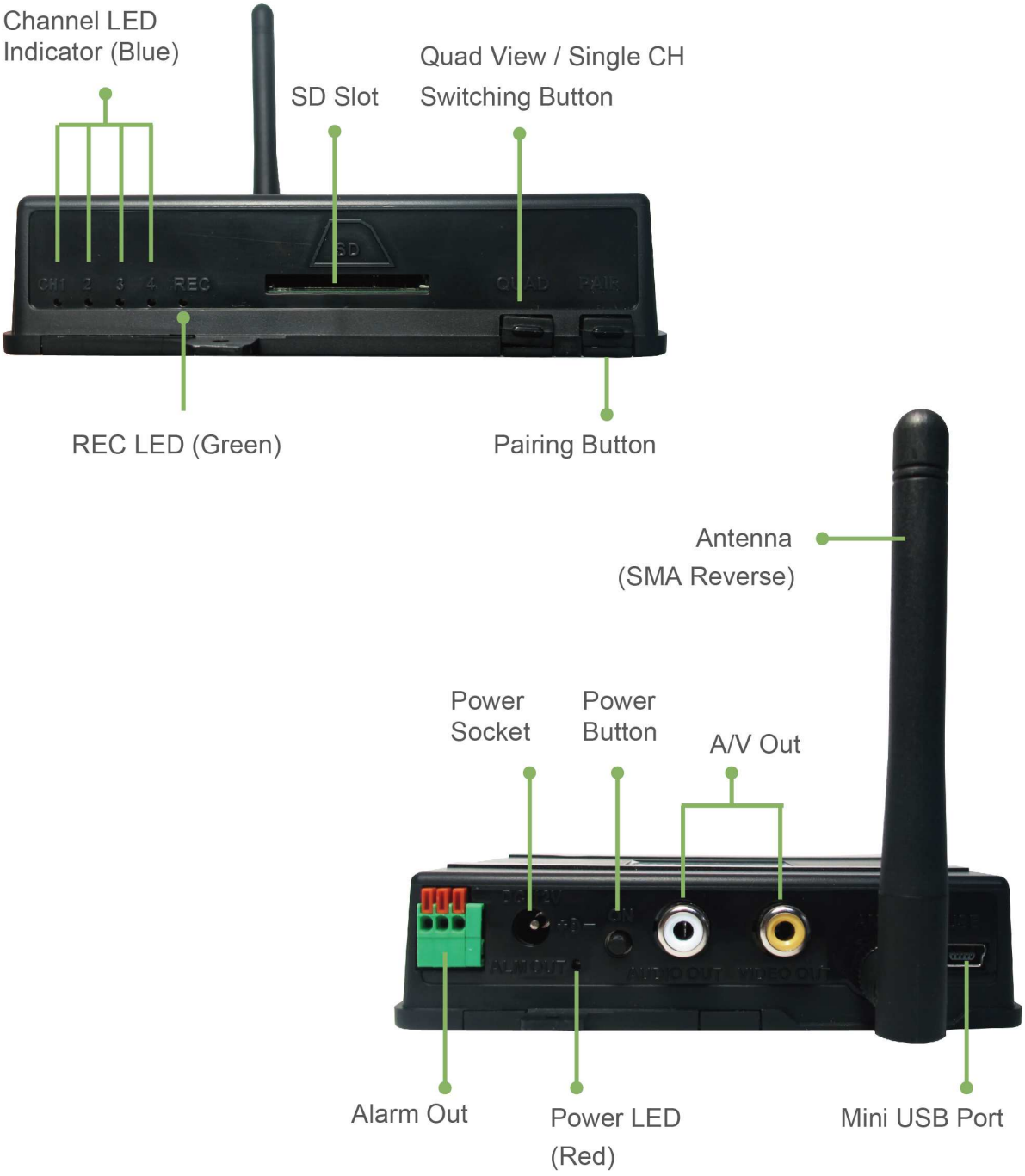
CW1103

CW1105

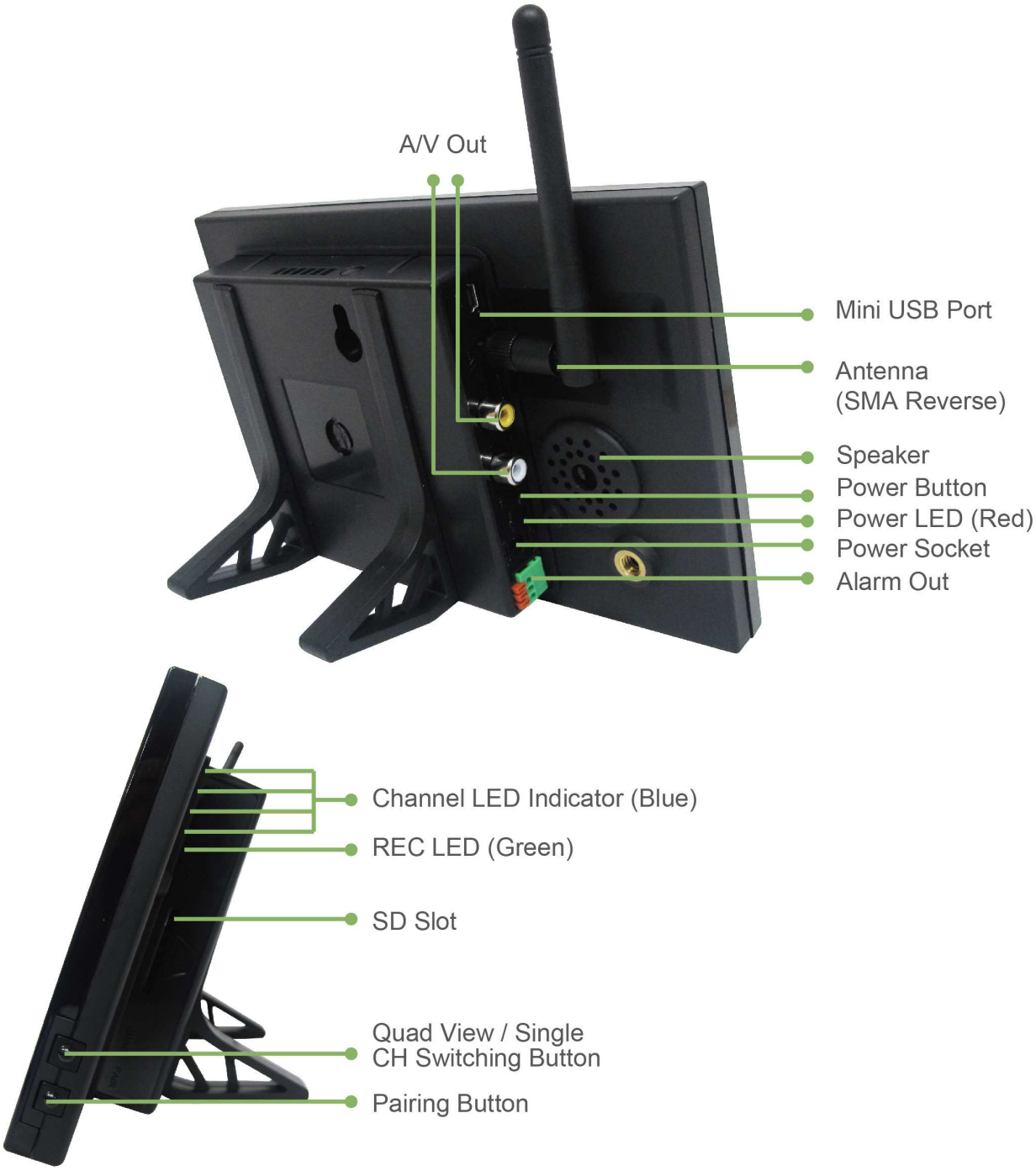

Power LED
Power Switch
PAIR Button
OFF/ON
PAIR
Digital Transmitter


Antenna Connector
DC 12V out
DC 12V in
Video in
Audio in
OFF/ON
PAIR
Digital Transmitter

CW1104


Channel LED
Indicator (Blue)
SD Slot
Quad View / Single CH
Switching Button
CH1 2 3 4 REC
SD
REC LED (Green)
Pairing Button
Antenna
(SMA Reverse)
Power
Socket
Power
Button
A/V Out
Alarm Out
Power LED
(Red)
Mini USB Port

CW1106


A/V Out
Mini USB Port
Antenna
(SMA Reverse)
Speaker
Power Button
Power LED (Red)
Power Socket
Alarm Out
Channel LED Indicator (Blue)
REC LED (Green)
SD Slot
Quad View / Single
CH Switching Button
Pairing Button

Get unit work quickly

1. The Power LED (red) will be on when the Transmitter/Receiver is turned on.
2. Below transmitters and receivers are fully inter-operable.

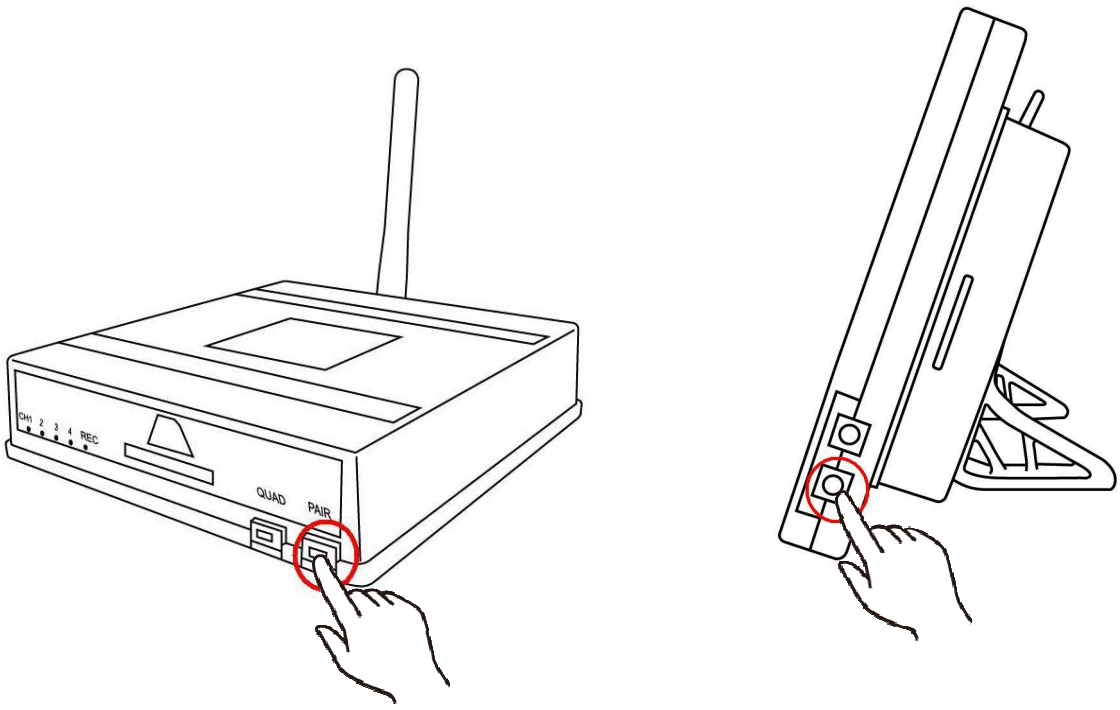
LCD Rx DVR　　Rx DVR

Receivers

Tx / Tx Module　　Tx Cam / Tx Cam Module

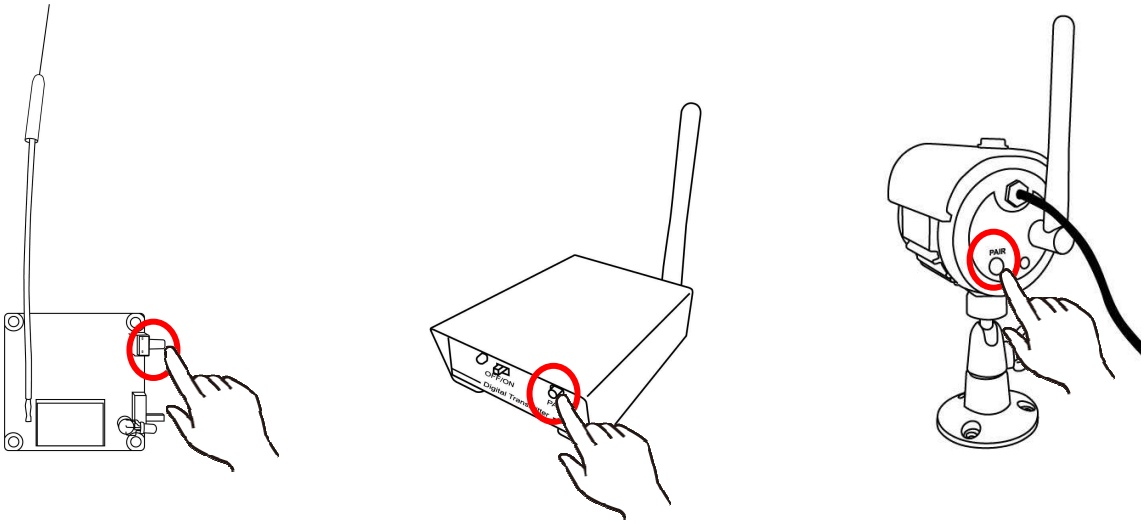
Tramsmitters

3. How to Pair Up:

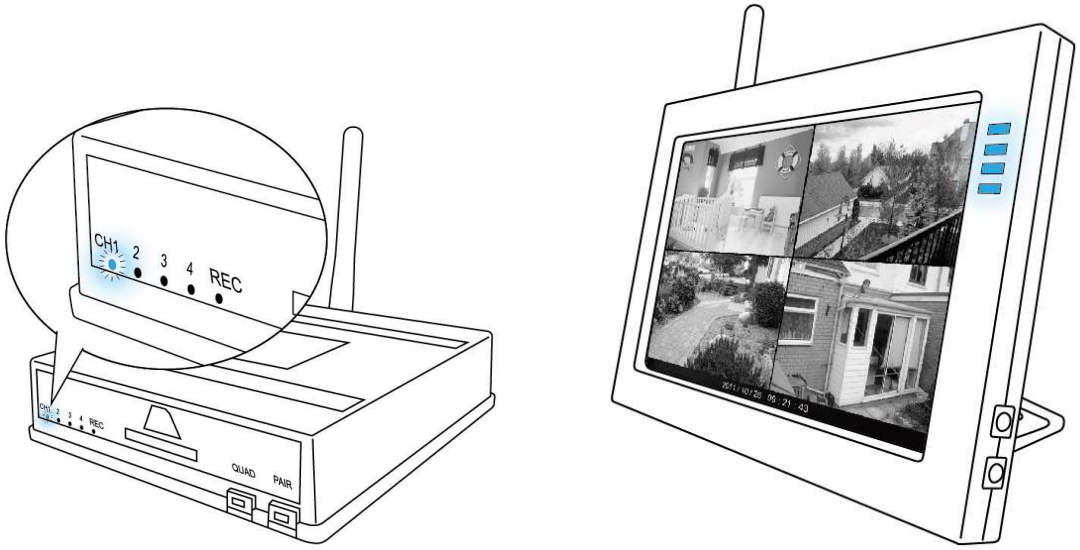


3.1 Select a channel on the Receiver (use remoter controller), long press the pairing button till the channel LED (blue) is flashing.

3.2 Press the pairing button on the transmitter.



3.3 After pairing is completed and successful, the Channel LED (blue) on Receiver will be flashing rapidly, and the image will show on the Monitor.



- **A Receiver is able to be paired up to 4 different Transmitters, and to receive image from 4 Transmitters simultaneously.**

Operation Advices

1. Once #CW1104 / #CW1106 is powered on and with SD card inserted, recording is factory preset at motion detection.
   - **It can be reset as continuous recording, having schedule through OSD menu.**
   - **For panic recording, please press** **on the remote controller.**
2. Press on the remote controller to get into playback menu.
3. For #CW1106- 7'' DVR, press Hotkey on remote controller to turn off the LED indication; press to turn on.
4. Press on remote controller to turn off the LCD monitor, press any key to turn on.
5. There is 10 seconds timer count down when start recording, during count down, no remote control command would be accepted.
6. Receiver USB plug into PC, the video will stream to PC and can be viewed / recorded with bundled ASP4 software on PC directly. After streaming the video to PC, the recording setup on receiver will be no function.
   - **The PC Operation System required Windows XP (SP2) or above.**
   - **Hardware Environment: CPU P4 2.0G / RAM 2GB or above.**
7. The settings on ASP4 can not be applied on Receiver DVR (CW1104 or CW1106), and vice versa.
8. Remote View function is supported by bundled ASP4 software; please refer to "**Remote View Quick Guide for CW1104 / CW1106**" section. (Page 15)

Recording Duration

- Single Channel (full screen) with Audio & Continuous Recording

1GB	4GB	8GB	16GB	32GB
3.95 hr	15.84 hr	31.58 hr	63.26 hr	126.56 hr

- Quad-View / 4 Channels with 1CH Audio & Continuous Recording

1GB	4GB	8GB	16GB	32GB
2.91 hr	11.65 hr	23.22 hr	46.56 hr	93.31 hr

IR Remote Controller Instruction

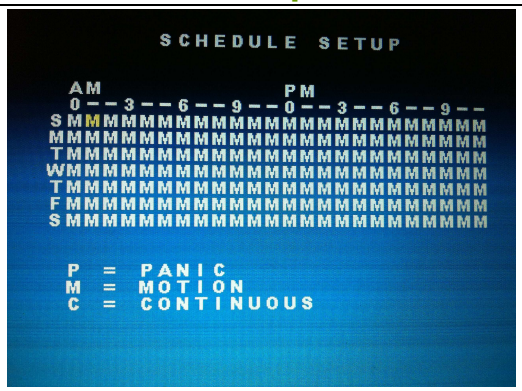
Button	Function	Description
	Power	
	Playback	Press the button to get to the playback menu. During playback, press the button to pause, press again to continue.
	Panic Record	Start to record manually. Press again to cancel recording mode.
	QUAD	Quad display mode.
	SEQUENCE	Auto sequence display mode
	MENU	Menu
1	CH1	Channel 1 & Number 1 & punctuation marks “- / +”
2	CH2	Channel 2 & Number 2 & “A B C”
3	CH3	Channel 3 & Number 3 & “ D E F”
4	CH4	Channel 4 & Number 4 & “G H I”

Button	Function	Description
5 6 7 8 9 0	Numbers	Numbers 5 to 0, English characters, and punctuation marks “ ， _ · ”
C	Clear	
	Return	Return to last page
OK	Confirm	Enter
	Up / Down / Right / Left	
	Mute	Key sound off
	Lock	Key Lock

OSD Introduction

1. Press to enter MAIN MENU
2. Press to select item
3. Press OK to enter the selected item
4. Press to get back to live view
5. Press to get back to last page

- **Recording Setup**
- **Peripheral Setup**
- **System Setup**
- **Brightness (CW1106 only)**

Recording Setup	
OSD MENU	**Description**
- Schedule Setup - Setup Continuous recording or Motion Detection recording Mode in a week. (Default Setting: Motion Detection recording)	 Press OK to change the recording mode; exit this option to save the schedule.
- Audio Record from - CH 1 (Default setting) - CH 2 - CH 3 - CH 4	To choose the audio source in Quad View during Recording /Live view. To adjust the speaker volume, press or on the remote controller.
- SD Information - Total: GB - Remain: GB - Fullstop or Overwrite (Default setting: Overwrite)	To choose SD method with Fullstop or Overwrite, press or on the remote controller.
- Format SD Card - OK - Close	

Peripheral Setup	
OSD MENU	**Description**
- Buzzer Setup - Video Loss - ON - OFF - Motion Detect - ON - OFF	Press → or ← to change Buzzer ON / OFF. Default setting is ON.
- Buzzer Duration - 02 ~ 10 sec	To setup the Buzzer beep duration time. Default setting: 2 seconds.
- Display Setup (TV-out only) - Left Pos - Right Pos - Up Pos - Down Pos	To adjust the display position for TV Out; press OK to move.

System Setup	
OSD MENU	**Description**
- Date/Time Setup - Display Format - YYYY-MM-DD - MM-DD-YYYY - DD-MM-YYYY - Time Format - 24 H - 12 H	Press ↑ ↓ to select item, and press → to change the format.
-YEAR - MONTH - DAY - HOUR - MINUTE - SECOND	Press Number keys to setup the Date/Time directly.
- AV Output (CW1106 only) - Video Out - LCD - TV-out NTSC - TV-out PAL	Press ↑ ↓ to select item, and press → to change the option. Press OK to confirm and exit the menu.

- Audio Out - Speaker Out (Default setting) - Line Out - Channel Sequence Time: - 05 ~ 30 sec. - Factory Default: - Yes - Cancel - Firmware Version - Vxxxx.xx	Default setting: 5 seconds.

Brightness Setup (CW1106 Only)	
OSD MENU	**Description**
Level 6 Level 5 Level 4 Level 3 Level 2 Level 1	To adjust the Brightness for LCD monitor; Level 6 is the brightest. Press ▲ ▼ to select, and press OK to confirm.

Software & Hardware Specifications on PC, iPhone, iPad

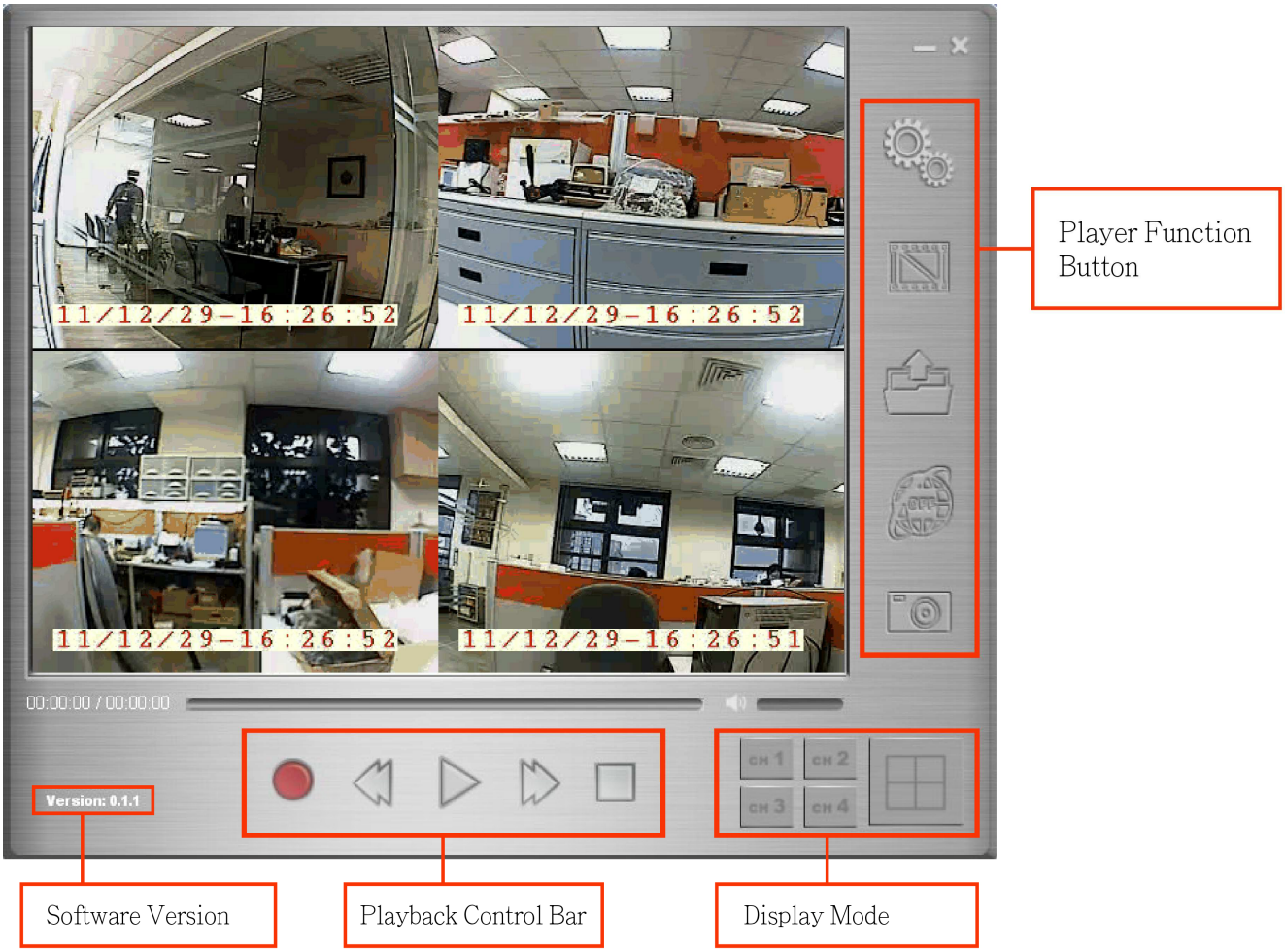
To use the remote viewing on PC, we highly recommend you to have the following software and hardware specifications on your PC,

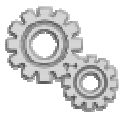
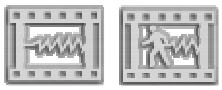
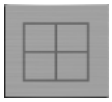
- Microsoft® Windows XP, or Windows 7 (.NET Framework 3.5 higher)
- Internet Explorer® 8 or higher.
- CPU: 2.0GHz or higher (only support x86 and x64)
- Memory: 1GB (up)
- Display card: Independent display card and support DirectX 9.0 or higher.

To use the remote viewing on iPhone / iPad, we highly recommend you to have the following software and hardware with your iPhone / iPad,

- iPhone 3 or higher
- iPad
- iOS 4.3 or higher

ASP4 (PC Player) User's Interface



	System Setting		Recording Mode
	Open file, to search the recording files		Network ON / OFF (for remote view)
	Snapshot, to save JPG picture		CH1 Full screen display
	CH2 Full screen display		CH3 Full screen display
	CH4 Full screen display		Quad-View display
	Manual recording during live view & backup files during playback		Backwards
	Pause		Forwards
	Stop		Play

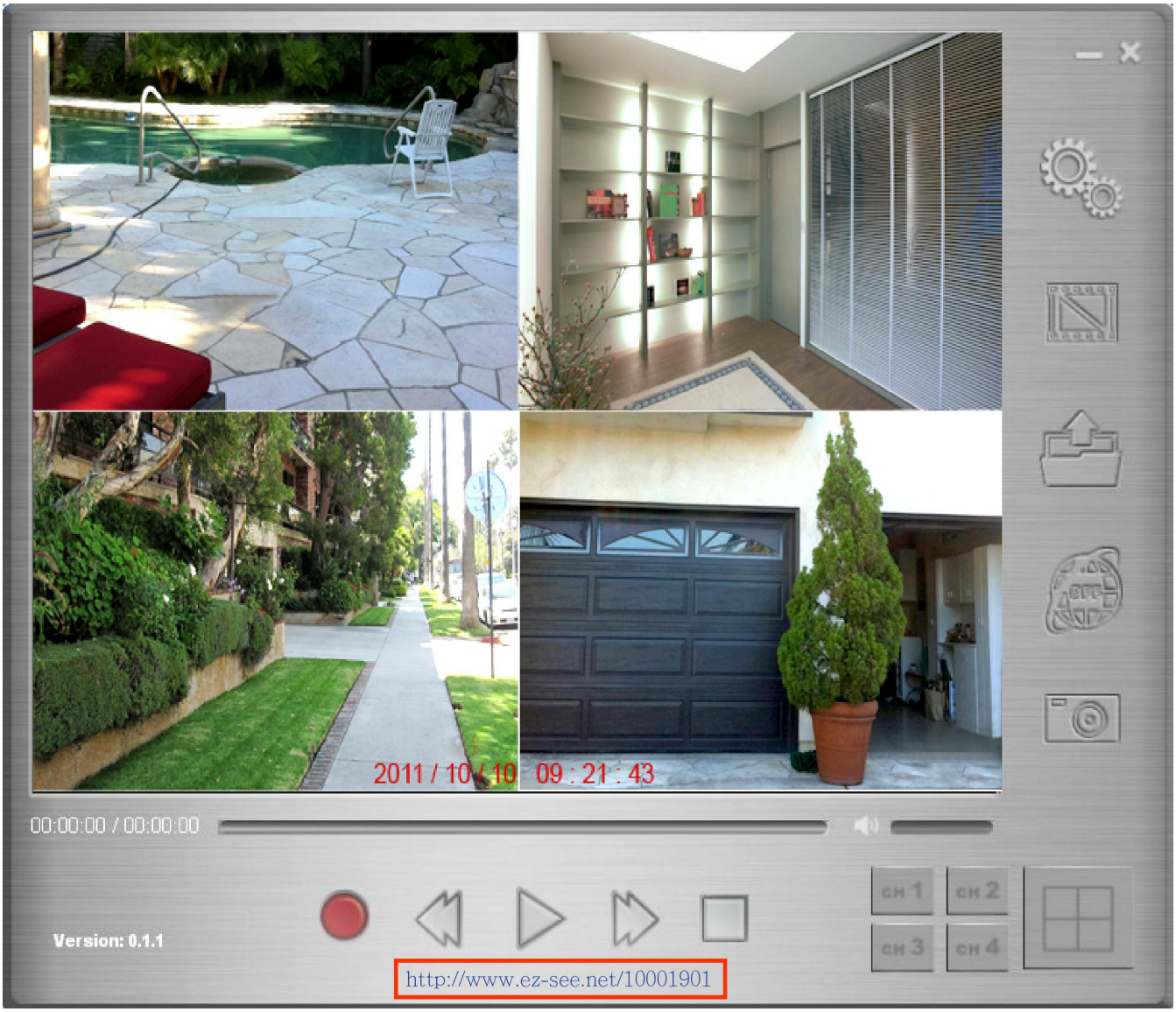
Remote Viewing Steps for CW1104 / CW1106

Easy 3 steps to see the Live View remotely:

Step 1. Install the bundled software ASP4 on PC, and highly recommend to change the log-in User Name / Password (**default User Name & Password: Admin / Admin**) in “Network Setting”. The “**ID**” means receiver ID number, it would automatically show on the network setting when you plug-in your USB cable.

** Click **OK** to complete the setting and protect the data security.

Step 2. Finished the network setting, the Remote viewing web link and the surrounding view will display on the PC ASP4 software.

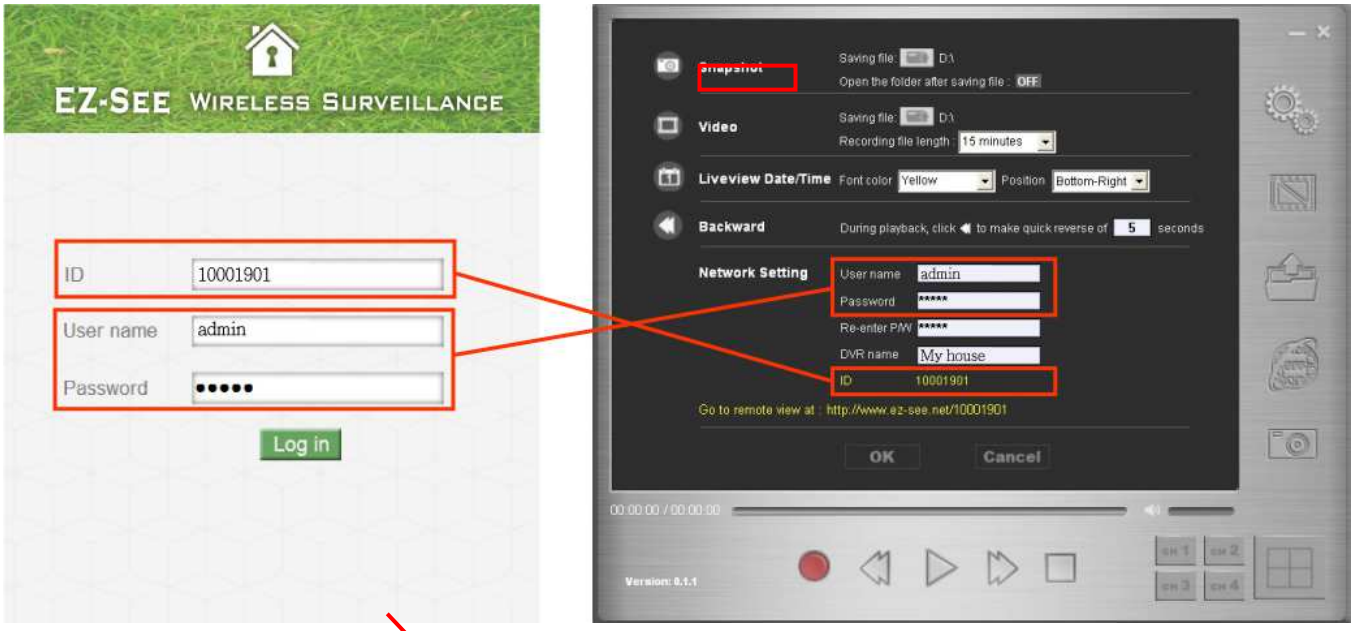


** http://www.ez-see.net/10001901

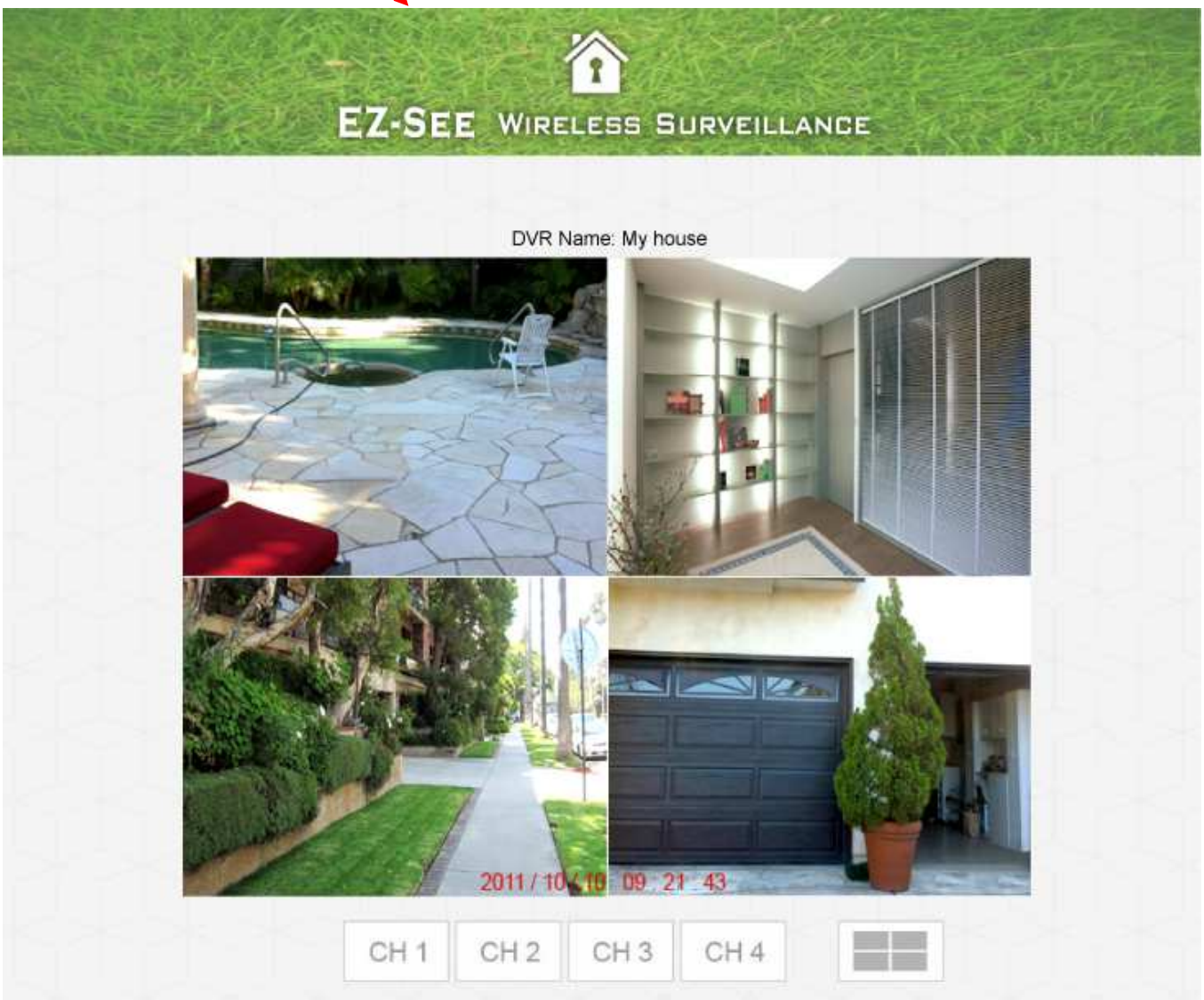
Server domain name

Receiver ID number (8 digit), each Receiver device has its own ID number. User have to key in www.ez-see.net/xxxxxxxx (Receiver ID number) on IE browser and to enter the remote viewing page.

Step 3. You could key in the **remote viewing web link** on PC IE browser (e.g., http://www.ez-see.net/10001901), log-in your account on remote PC IE browser, see the Live View!
(*Remark: currently IE is the only PC web browser supported for remote viewing.)
PC log-in page:

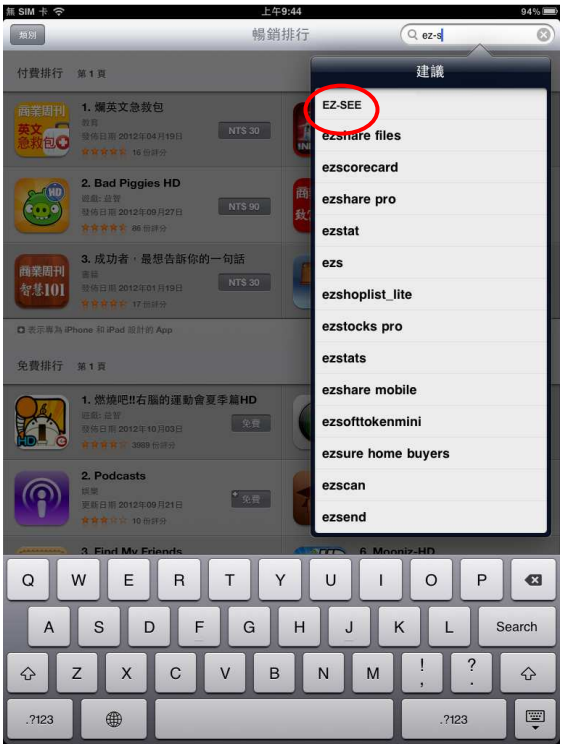


(Remote viewing page)

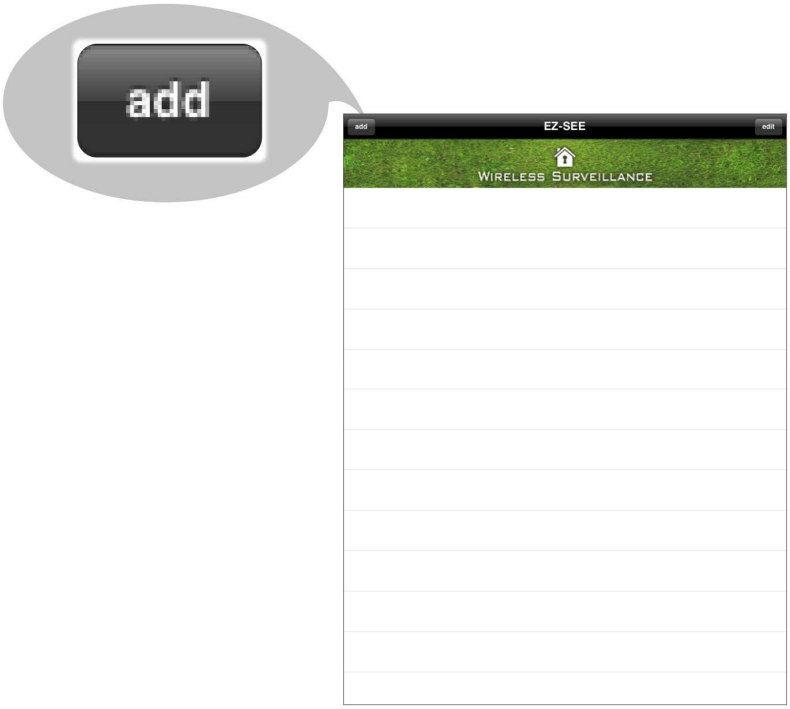


Remote Viewing Steps for iPhone / iPad

Step1. Search “**EZ-SEE**” app on APP Store.



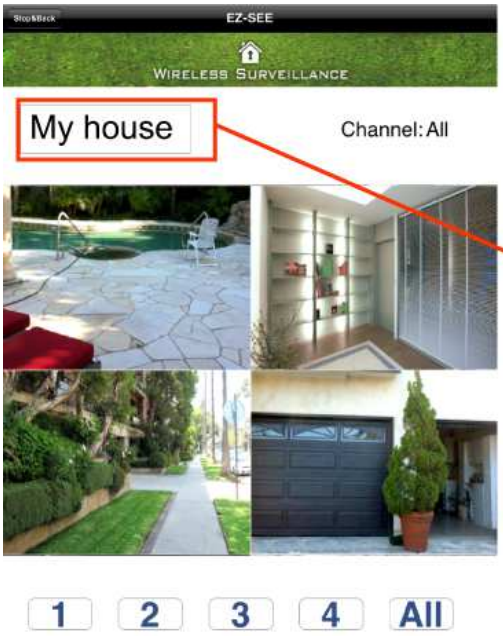
Step2. Press "add" to create an account as your EZ-SEE ID,

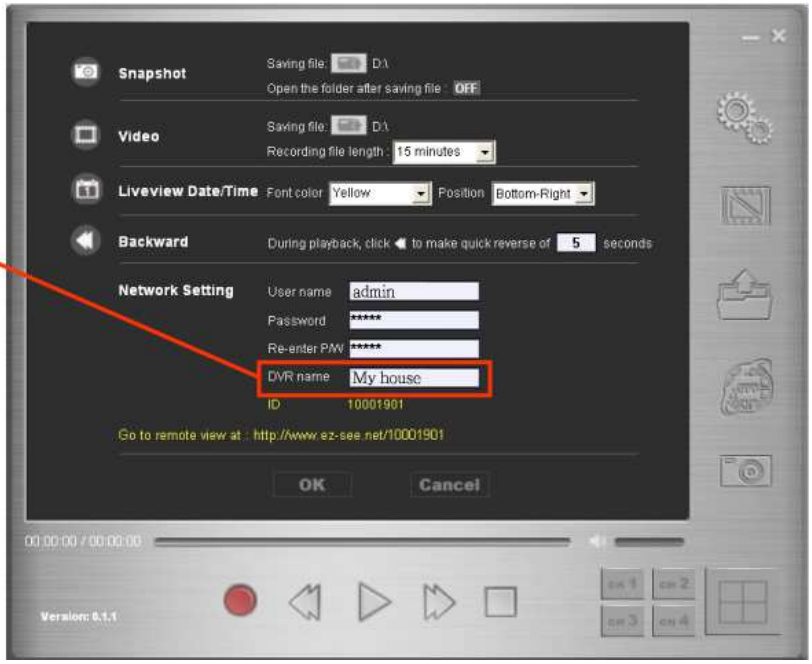


Step3. Fill in the ID, User Name and Password (same as the ASP4 network setting) and press "Save" button which on the upper right corner.

Step4. You would see your ID number on your iPhone / iPad (e.g., 10001901).

Step5. Enjoy your live viewing!! In this page, you could check the Quad-viewing or one channel viewing mode by your desire. On the top of the page, you would see your defined DVR name (same as your DVR name on ASP4 software network setting).





(Quad-viewing)

Technical Specification

General		
	Channel Pairing	4 Tx to 1 Rx
	Operation Frequency Range	2408.625 ~ 2470.5 MHz
	Channels hopping	24 channels
	Modulation	GFSK, FHSS (digital)
	Transmission Range	150M (or longer with high gain antenna)
	Transmitter RF output power	15.5 ~ 18.5 dBm
Digital Wireless Camera #CW1103		
	Resolution / Frame Rate	640x480 @ 30fps
	Antenna connection	Fixed type
	Antenna gain	1.5 dBi
	RF Data Rate	3Mbits /Second
	Image Sensor	1/4" SOC Sensor
	Lens	2.5MM
	IR LED	8pc
	IR Filter	IR 940nm
	Power Consumption	12V 135mA (without IR) 12V 245mA (with IR)
	Power	12V
	Dimensions	ca. 65 x 87 x 175 MM
	Operation temperature	0°C ~ 40°C (32°F~ 104°F)
Quad Digital Wireless Recorder #CW1104 / CW#1106		
	Resolution / Frame Rate	640x480 / Quad View
		640x480 @ 30fps per Channel
		1CH Recording / 4CH Quad Recording
	Antenna connection	SMA Reverse
	Antenna gain	3 dBi
	Receiving sensitivity	-85 dBm Above
	Video compression	MPEG-4
	Recording Mode	Schedule Continuous
		Schedule Motion
		Panic
		Trigger by Tx PIR Input (under development)
	Recording file format	.SNX (with bundled ASP4 software)
	Playback Mode	Listed by Date/Time
	Recording Storage	SD Card Fullstop or Overwrite (support up to 32GB)
	Alarm Out	1 set (NC or NO)
	System Setup	Date / Time Stamp

	AV Output
	Channel Seq. Time
	Buzzer Setup
	Display Setup
	Factory Default
USB connection	Yes, with bundled ASP4 software for Remote View
Power Consumption	12V 130mA (#CW1104) 12V 280mA (#CW1106)
Power Adapter	12V 1A
Case Dimension	104 x 112 x 28 MM (#CW1104) 190 x 122 x 85 MM (#CW1106)
Operation temperature	0°C ~ 40°C (32°F~ 104°F)

Annex1 (Compatible Router list)

The following routers have all been tested and fully compatible with ASP4 software.

Router Manufacturer
BELKIN (F5D8235-4 v2)
D-Link (DI-604)
D-Link (DI-707P)
EDIMAX (BR-6204Wg)
GigaByte (GN-BR02G)
IO DATA(ETX-R)
IO DATA(NP-BBRL)
Lemel (LM-IS6400B)
LevelOne (FBR-1418TX)
LevelOne (WBR-3405TX)
Octtle GW/NAT (SP4220)
SMC (SMCBR14)
SMC (SMCWBRS14-N2-TW)
TP-LINK (TL-R402M)
TP-LINK (TL-R460)
BELKIN (F7D1301 v3)
Corega (CG-BARMX2)
IO DATA(ETG-R)
IO DATA(NP-BBRM)
LINKSYS (BEFSR41W)
NETGEAR (WGR614)
NETGEAR (WNDR3400)
NETGEAR (WNDR3700v2)
TP-LINK (TL-R480T+)
Zonet (ZSR0104B)
ZyXEL (NBG-4115)
ZyXEL (NBG-419N)
3COM (3CRWER100-75)
AboCom (WB02N)
ASUS (RT-N12)
ASUS (Rx3041)
ASUS (Rx3041 v2)
BUFFALO (WZR-HP-G300NH)
BUFFALO (WZR-HP-G300NH2)
D-Link (DI-LB604) D-Link (DIR-101)

DrayTek (Vigor2110)
DrayTek (Vigor2200V/VG)
DrayTek (Vigor2910)
EDIMAX (BR-6228nS)
EDIMAX (BR-6314K)
LINKSYS (E2000)
LINKSYS (WRT150N)
LINKSYS (WRT160NL)
SAPIDO (RB-1802)
SAPIDO (RB-3001)
TP-LINK (TL-WR841N)
ZyXEL (Prestige 334)

Annex2 (Incompatible Router list)

So far, there are two routers may not work with ASP4 software. The routers name are as follow.

Router Manufacturer
AboCom (FSM410)
ASUS (Rx3081)

Thank you for purchasing our Quad Digital Wireless Series Products. Please read this manual before installation.
For customer support, please contact your dealer, and keep your Invoice for further support.

Do not open/modify the device, as it may cause damage to the unit and void the Warranty. For internal repairs, consult your dealer or an Authorized Service Center.

Do not use any accessories other than what comes with the unit otherwise, it would void the warranty.

Protect from humidity. Do not put it in water and be careful to protect it from sea water or high humidity environment etc.

Protect from high temperatures
To avoid damage or mis-operation of the device, only use it in the temperature between 0 ~ +40°C.

Do not bring the device suddenly from a hot to a cold place, or vice versa. This may cause damaged to the inside of the unit by creating condensation.

EU Environmental Protection

The symbol of crossed-out garbage shows that this product should not be treated as household waste, and it falls into the category of ***electric /electronic*** equipment for recycling. This electronic device should not be disposed in a regular trash. We strongly advice you to contact related authorization before you dispose this product.